

LPIC-2 exam preparation course (code: LC-ADMIN-LPIC2-PREP)

Overview

A preparatory course for the LPIC-2 - *Advanced Level Linux Certification*; this training a part of our LPIC-2 certification path. This training a a followup for our Linux Administrator Course, intended for participants interested in acquiring the LPIC-2 certification. The material in these two training courses combined covers all the exam requirements (and the necessary, fundamental topics needed to learn it from ground-up).

For persons interested in a deeper exploration of the topics mentioned during the training, we recommend the Advanced Linux Administrator course, which provides a hands-on workshop on several useful technologies.

Ask for details

Phone +44 203 608 6289

info@alx.training

Duration

4 days

Agenda

1. DNS server
 - Server configuration
 - DNS zones and their transfers
 - DNSSEC
2. DHCP server
 - Server configuration
 - BOOTP and DHCP protocols
 - Best practices in maintaining DHCP servers
3. LDAP directory services in Linux
 - Using the LDAP client; data modification
 - Importing and adding objects
 - Managing users
4. Linux kernel
 - Compilation - when and how to compile the kernel
 - Patches: applying and removing
 - Managing kernel modules
5. Disk management
 - Configuring and using RAID 0, RAID 1 and RAID 5
 - Configuring and using LVM logical volumes
6. Creating backups using rdiff-backup
 - Backup strategies and best practices
7. Filesharing via NFS
 - Configuring NFS: client- and server-side
 - Basic tools
 - Access control
8. Automatic filesystem mounting - AutoFS
9. Proxy servers - Squid
10. VPN
 - Necessary tools:
 - network protocol stack, ISO/OSI model
 - IP/ICMP/UDP/TCP protocols. Reliability. Retransmissions.
 - Encryption - symmetric and public key. RSA. Security. Man-in-the-middle attacks.

- VPN. Common uses. How does it work? Examples. When not to use VPN?
- OpenVPN.
 - Designing and deploying solutions
 - Server and client configuration
- 11. E-mail systems: Postfix
 - Design, installation and configuration
 - Maps and data sources
 - Postfix server - management and command-line tools
 - Procmail
 - Safe e-mail infrastructure based on Postfix and Dovecot (IMAP and POP3), monitoring its work
- 12. Security
 - Secure FTP server - vsftpd
 - TCP Wrapper
 - Log monitoring

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Target audience and prerequisites

This training is created for persons who, having finished the Linux Administrator course, wish to take the LPIC-2 exams as soon as possible. It requires having mastered at least the material contained in the mentioned above Linux Administrator course.

Certificates

Course participants receive completion certificates signed by ALX.

Locations

- Online (English) – your home, office or wherever you want
- Warsaw (English) – Jasna 14/16A
- any other location (London, UK, EU) on request

Price

1140 EUR

The price includes:

- course materials,
- snacks, coffee, tea and soft drinks,
- course completion certificate,
- one-time consultation with the instructor after course completion.